

Aqueduct Race Track is a thoroughbred training and racing facility.

It provides

- Stable Space
- Training Facilities
- Race Track
- Waste Removal
- Record Keeping of Manure Removal

Trainers provide

- Bedding
- Feeds
 - Hay
 - Grains
 - Other feed needs
- Daily stall cleaning
- Daily addition of waste materials to designated waste transfer containers
 - Straw/Manure loaded into Grey Containers
 - Shavings/Wood Pellets Manure loaded into Maroon Containers

Contract Waste Hauler

- Daily load containers into compression trucks
- Haul waste to storage / staging facility and off-load
- Load trucks for export at storage/staging facility

Planned BMPs for Nutrient Management:

Record Keeping:

1. Dairy Record of Removals
The concern is: Were roll-offs emptied so that there is space for the following day's manure to be stored?
2. Manure Analysis via Belmont Facility

Aqueduct Race Track

Update for 2015

Concentrated Sources

Manure Collection

- NYRA has purchased 360 covered containers. In 2012 the covers were removed to allow for better operation. The containers have been distributed and needed to the various NYRA Facilities. There are two purposes:
 1. Wholly contain all animal wastes
 2. Contain rainwater within the containers.
- Filco Carting has been collecting manure from the containers and transporting to the storage\transfer facility at Belmont Park.
- Manure will be held in the storage\staging area for a short time period of less than 5 days.
- Manure will be loaded at the Belmont site onto trucks for removal.
- Enough containers are required to accept all waste from the facility in one day plus a reasonable margin for unexpected days.

BMP Plan Item # 8

Manure Containers

Size	Effective Height	Effective Capacity	Waste ft ³ /horse /day	Horses per day per container	Number In Use	Horse Capacity
6 yard 83 X 80 X 51 inches high Maroon Bins for Shavings and Wood Pellet Litter	48 inches ¹	184 ft ³	15	12	12	144
8 yard 92 X 80 X 51 inches high Grey Bins For Straw Litter	48 inches	204 ft ³	25 ²	8	68	600

Currently there are 370 horses at Aqueduct. Straw containers appear to match needs. Some containers will naturally receive more manure than others. Having some extra capacity to accept volume in case of a break-down or an unusually high volume day would reduce risks and allow training staff to more appropriately fill containers.

¹ Planning needs to allow for space so additional manure can be added. 60% of full seemed like a reasonable capacity.

² This is an estimated volume (not compacted) per horse per day. Volume is based on facility records.

Additions to storage at Belmont: 300 horses on straw at Aqueduct would produce 278 yards of loose waste or 60 if compressed at 5:1. This would equal about one compactor truck per day if the trucks hold about 60 yards each.

Hauler of Manure is:

Equicycle
Fran Lawrence
Masyr & Missry Wachter LLP
885 Second Ave.
New York, NY 10014
516-502-8676

Send copies of manure analysis to above address.

Plan Items:

4 Horse Walkways
And
#6 Horse Walking Areas

Are Non-Structural BMPs and were fully implemented several years ago.
The practices and record keeping are maintained.

BMP Plan Item # 5

Process Waste Water - Horse Wash Areas

BMP Plan Item # 7

Roof Runoff Controls

Completion of wash pads and use of containers for waste handling will reduce water volume in stable areas and reduce risks from roof runoff. Plans include on a building to building basis include infiltration to soil by a combination of measures:

- Gutters and downspouts
- Drip edge with trench drains
- Dry wells
- Connection to storm drains

BMP Plan Item # 1

Nutrient Management Plan

All manure is removed from Aqueduct and taken to the staging barn at Belmont Park Raceway. From the staging barn the manure is transported to various entities including mushroom farms and compost facilities.

Since this manure is mixed with manure at Belmont it was felt samples from Belmont were an appropriate place to sample manure. Therefore, manure sampling at Aqueduct has stopped.

Emergency Action Plan

The EAP is reviewed annually.

An updated list of emergency numbers has been written. Copies are posted at appropriate locations around the facility.

Plan Item # 3

Storm-water Retention Basin

The plan above indirectly addresses issues of the basin. Installed and operated BMPs will eliminate process waste water from the basin.

Key Point

Language from the ECL Permit 2009

"Process-generated wastewater does not include: precipitation related runoff from pastures; driveways; roof areas; or laneways where animals do not congregate."

Since animals do not congregate on the track or walkways, runoff from those sites is not considered process wastewater.

Mortalities

Mortalities are removed within 24 hours by:

Pet Crematory Agency, Inc.
164 Cabot Street
West Babylon, NY 11704
631-293-2929

Mortalities may also be sent to the Cornell University College of Veterinary Medicine for autopsy.

**Nutrient Management
Plan Item # 1
Update
For
2014**

Nutrient Management & Waste Utilization Management Concepts:

Concepts for using manure for crop production do not apply for NYRA Racetracks.
All manure is exported from the track.

GP-04-01 Part Viii C. Xiii States

Transfer of Manure, Litter, and Process Wastewater to other Persons. In cases where CAFO- generated manure, litter, or process wastewater is sold or given away to any one recipient in amounts greater than 50 tons annually the permittee must comply with the following conditions:

- a. Maintain records showing the date and amount of manure, litter, and/or process wastewater that leaves the permitted operation.*
- b. Record the name and address of the recipient.*
- c. Provide the recipient(s) with representative information on the nutrient content of the manure, litter, and/or process wastewater.*
- d. These records shall be retained on-site, for a period of five years, and shall be submitted to the Department upon request.*

Aqueduct Race Track

Manure is collected daily by Equicycle, a sub-contractor for FILCO Carting.

Manure, litter and other animal wastes are transferred from containers to 60 yard compactor garbage trucks.

The compactor trucks are driven to the manure staging building at Belmont Park Racetrack and off-loaded.

Manure is stored inside at Belmont, mixed with manure from Belmont, and loaded for transport from that site.

Records are maintained for the manure leaving Belmont but not for the loads coming from Aqueduct to Belmont. There is approximately one load daily coming from Aqueduct. Due to variable compression it is difficult to measure quantity.

Receiver of Manure and litter is the contract hauler:

Equicycle
Fran Lawrence
Masyr & Missry Wachter LLP
885 Second Ave.
New York, NY 10014
516-502-8676